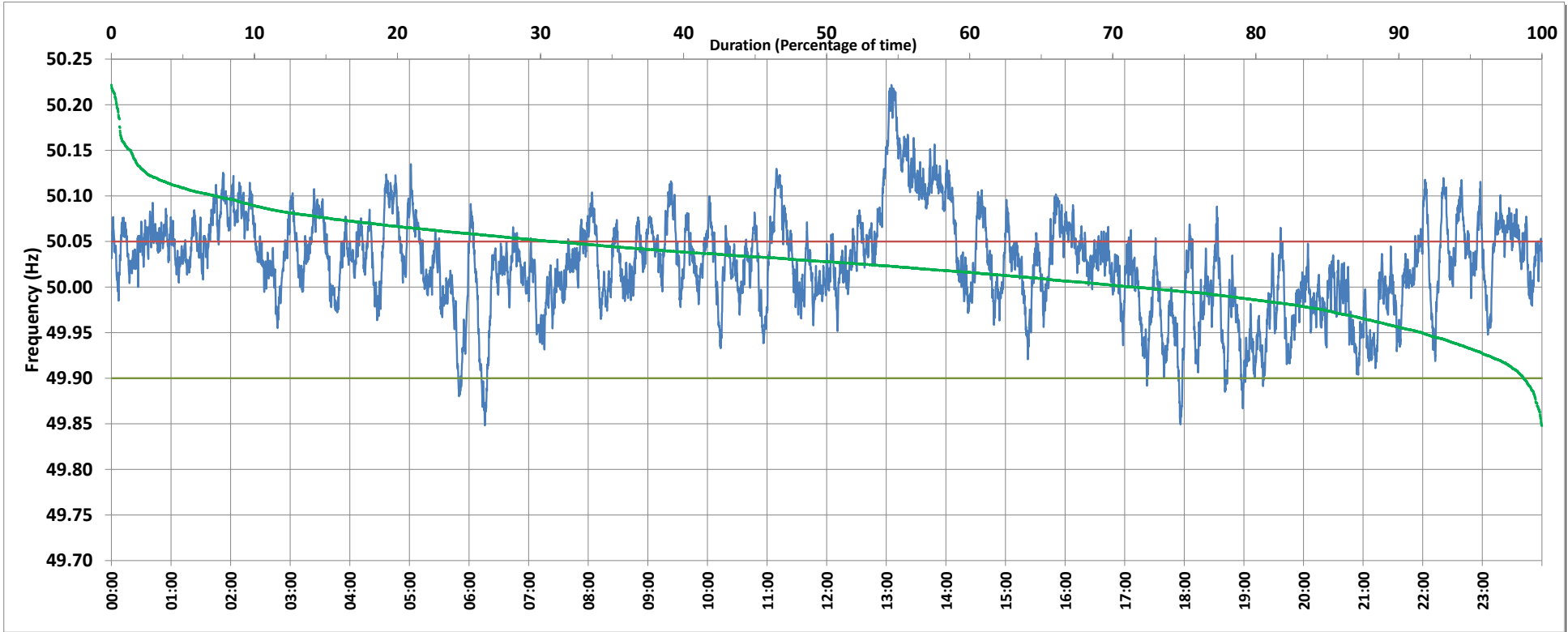


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 28-Jul-2019 (Sunday)



<49.7	<49.90	<49.97	49.7-49.8	49.8-49.9	49.9-50.0	50.0-50.1	50.1-50.2	49.90-50.05	49.7-50.2	49.97-50.03	50.05-50.1	>50	>50.03	>50.05	>50.2	<49.95	49.95-50.05	49.90-49.95
0.00	1.27	13.83	0.00	1.27	27.18	64.24	6.94	67.85	99.63	38.23	23.73	71.40	47.94	30.88	0.37	8.39	60.73	7.12

Average Frequency : 50.026	Frequency Variation Index : 0.0344	Standard Deviation : 0.0527	Mileage: 47.4	FDI: 32.2
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Instantaneous Frequency		
Max	50.222	13:05:10
Min	49.848	6:15:50

15 minute Average Frequency		
Max	50.183	13:15:00
Min	49.931	19:15:00

No. of excursions	
above 50.03 Hz	228
below 49.97 Hz	76
above 50.00 Hz	169
below 50.00 Hz	168

Average time freq per excursion remains	
below 49.97	0:02:37
above 50.03	0:03:02

No. of hours freq outside 49.9-50.05 Hz	7:43:00
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Source : NTPC-VINDHYACHAL:Frequency 10 Sec. (8640 samples)